

Figure 1:

AS 01: 3'-teg-G*G*G C*C*C*G G*C A*C*C G*T*C*C T*T*C*G
 AS 02: 3'-teg-G*G*G*T*C A A G*C*C*C T*C*T G*T A*C*C*G
 AS 03: 3'-teg-G*C*C*C T*C*T G*T A*C*C G*C*C*C G*C*A*A
 AS 04: 3'-teg-T*A*C*C G*C*C*C G*C A A*T*T*T*C G A*G*A
 AS 05: 3'-teg-T*T*C*G A G A*G*C A*C*C G*T A A*T A*G*G
 AS 06: 3'-teg-G*A*A*T A*C G A*C*C*C*T A*C A*C G G*A*A
 AS 07: 3'-teg-A*C*A*C G G A A*T*C*T C*C*T*A A*T A*C*C
 AS 08: 3'-teg-C*T*C*C*T A A*T A*C*C G*C A A*A*T G*A*C
 AS 09: 3'-teg-C*C*G*C*A A A*T G A*C*C*G G G A*A T*A*A
 AS 10: 3'-teg-A*C*G G A*C A G*C*C*C T*T*G A*C*C G*T*A
 AS 11: 3'-teg-G*G*A*C A G*C*C*C T*T*G A*C*C G*T A*T A*A*A
 AS 12: 3'-teg-G*C*C*C T*T*G A*C*C G*T A*T A A*A G*A*A
 AS 13: 3'-teg-G*G*A A*C*A*C A A*C*C*G T*C*C*G T*T*A*C
 AS 14: 3'-teg-T*G*T A*C A*C G*T G*T A*C G*C*C G*T A*A
 AS 15: 3'-teg-G*C*C*T C*C*T G*T C*C*A G*C*C*G C*C*A*A
 AS 16: 3'-teg-G*G*A*C*C G A*C*A T*T*G C*A*C G*T C*T A*A*A

*: Thioéster

_: 2'O-Méthylation

teg: espaceur Triéthylenglycol

Figure 2

	10	20	30	40	50	60
OB-RGRP_humaine	-----MAG-VKALVALSFSGAIGLTFLMLGCALEDYGVYWPLFVLIFHAIS					
My47_humaine	-----MAG-IKALISLSFGGAIGLMFLMLGCALPIYNKYWPLFVLFFYIIS					
yt02_C.elegans	MCCHIHIQCFDCCSMKNTILAVAALAFAGVVGLTFLVLGCALPRYGTWTPMFVITFYVLS					
XJ14_Levure	-----MMEFKVSPLTKIISLSGFLALGFLVILSCAL--FHNYYPPLFDILIFLLA					
Consensus	.. : : *: . : *: : : * . *** : : * : * : : . :					
	MCCHIHIQCF2222MAG2IKALI2LSF4GAIGLTFLMLGCALP3YG4YWPLFV24FY4LS					
	70	80	90	100	110	120
OB-RGRP_humaine	PIPHFIAKR----VTYDSDATSSACRELAYFFTGIVVSAFGFPVILARVAVIKWGACG					
My47_humaine	PIPYCIARR----LVDDTDAMSNAKELAIFLTGIVVSAFGLPIVFARAHLEWGACA					
yt02_C.elegans	PVPLLIAARR----EQEDMTGTN-ACIELALFITTGIVISAFA LPIVLAHAGTIAMSACF					
XJ14_Levure	PIPNTIFNAGNKYHTSDFMSDSSNTGQDLAHFLTGMVTSGIALPVVFYHCQLIGHLSCI					
Consensus	*: * * . + : : ** * : * : * . : * : * . : * : * . : * : *					
	PIP44IARRGNKYH44DDMDATSNAC4ELA4FLTTGIVVSAF2LP2V2A2A4LI4WGAC4					
	130	140	150			
OB-RGRP_humaine	LVLAGNAVIFLTIQGFFLIFGRGDDFSWEQW-					
My47_humaine	LVLTGNTVIFATILGFFLVFGSKDDFSWQQW-					
yt02_C.elegans	LIFIANSINFSVIIFYFRIFNGEDMN GMSLW-					
XJ14_Levure	MCMIGGLIIYSSIVIFKWFFKKDFNEDDSLFG					
Consensus	: : . . : * : . * . . . :					
	LVLIGN42IFSTI4GFFLIFG44DDFSWS2WG					

Figure 3A N-terminal OB-RGPR-Luc C-terminal

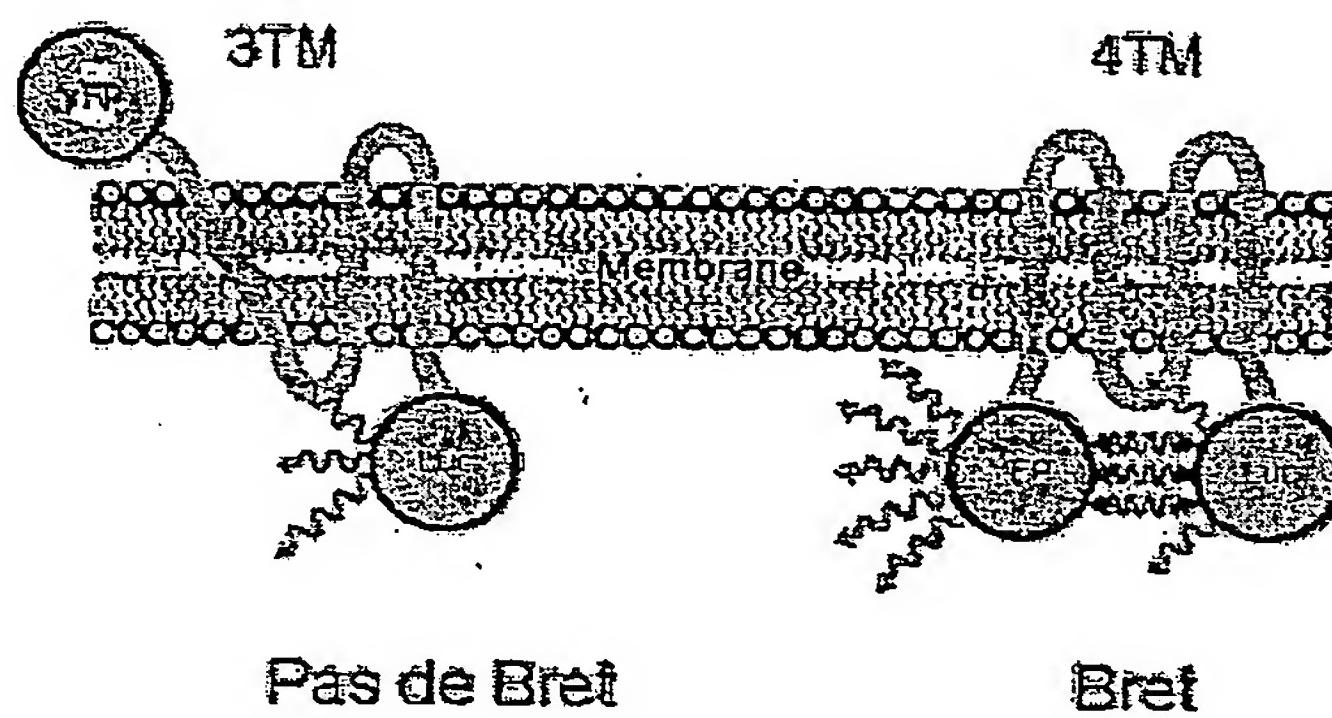


Figure 3B

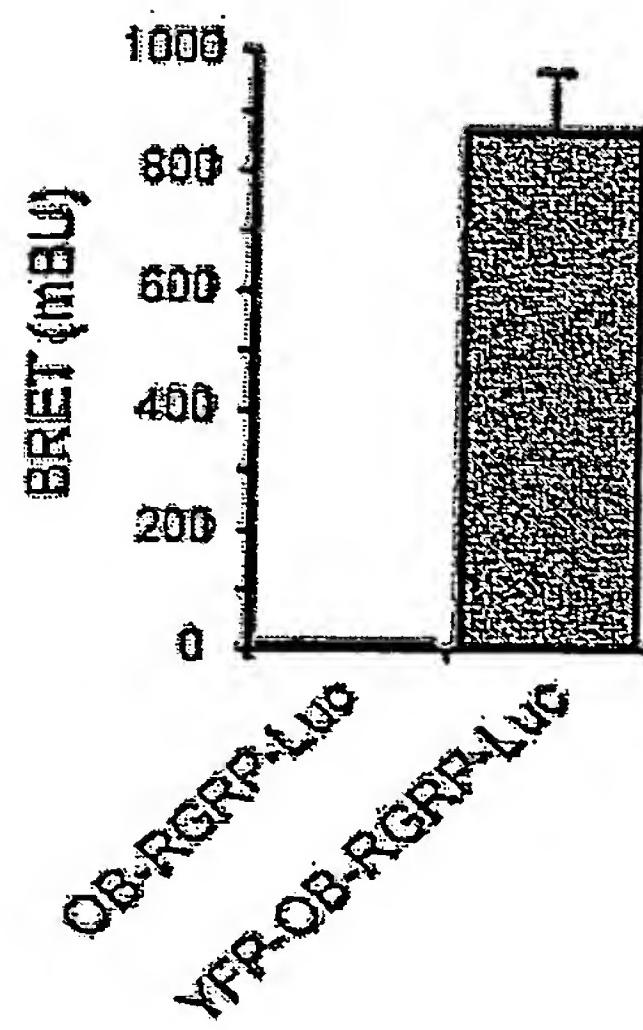


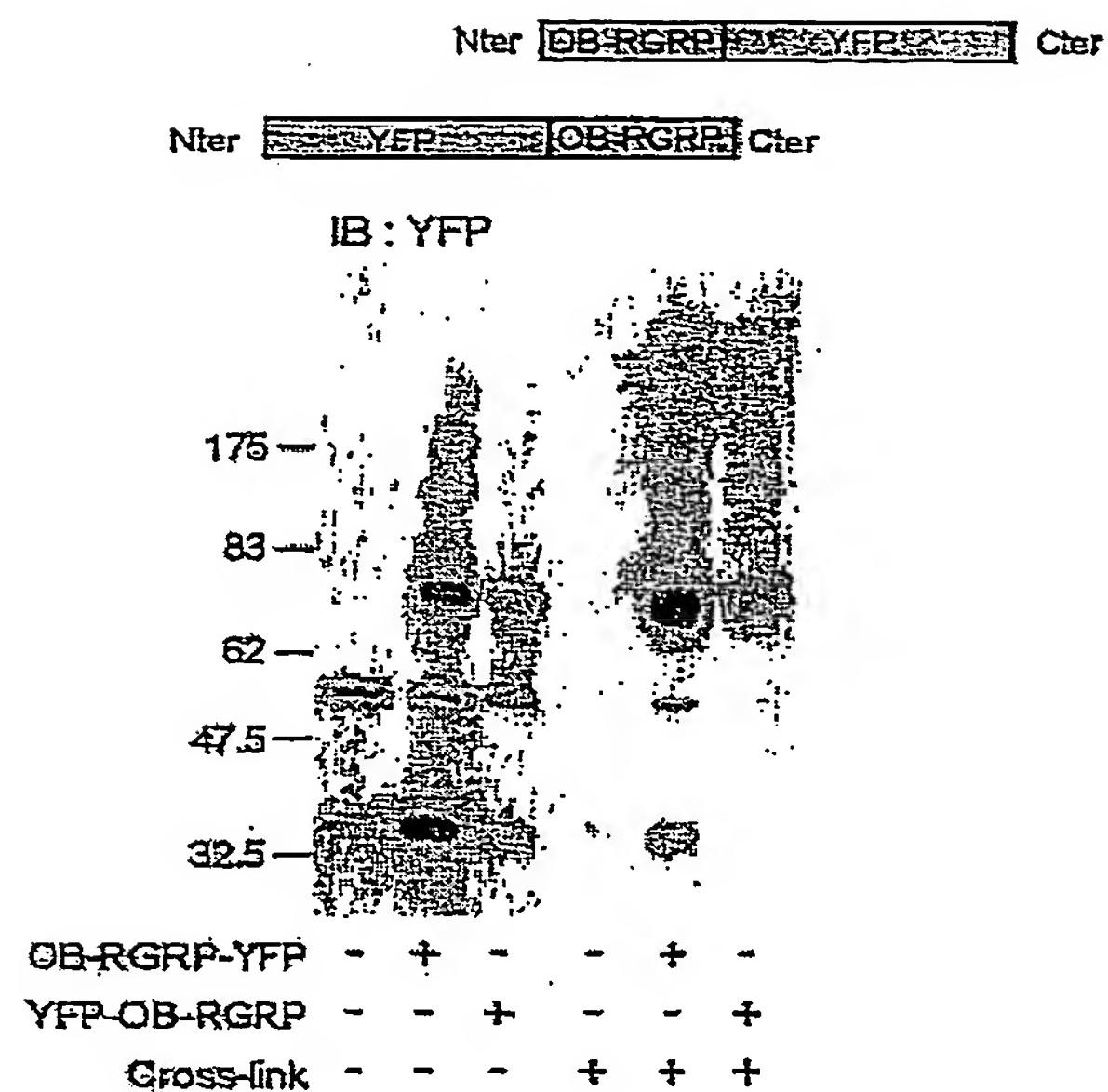
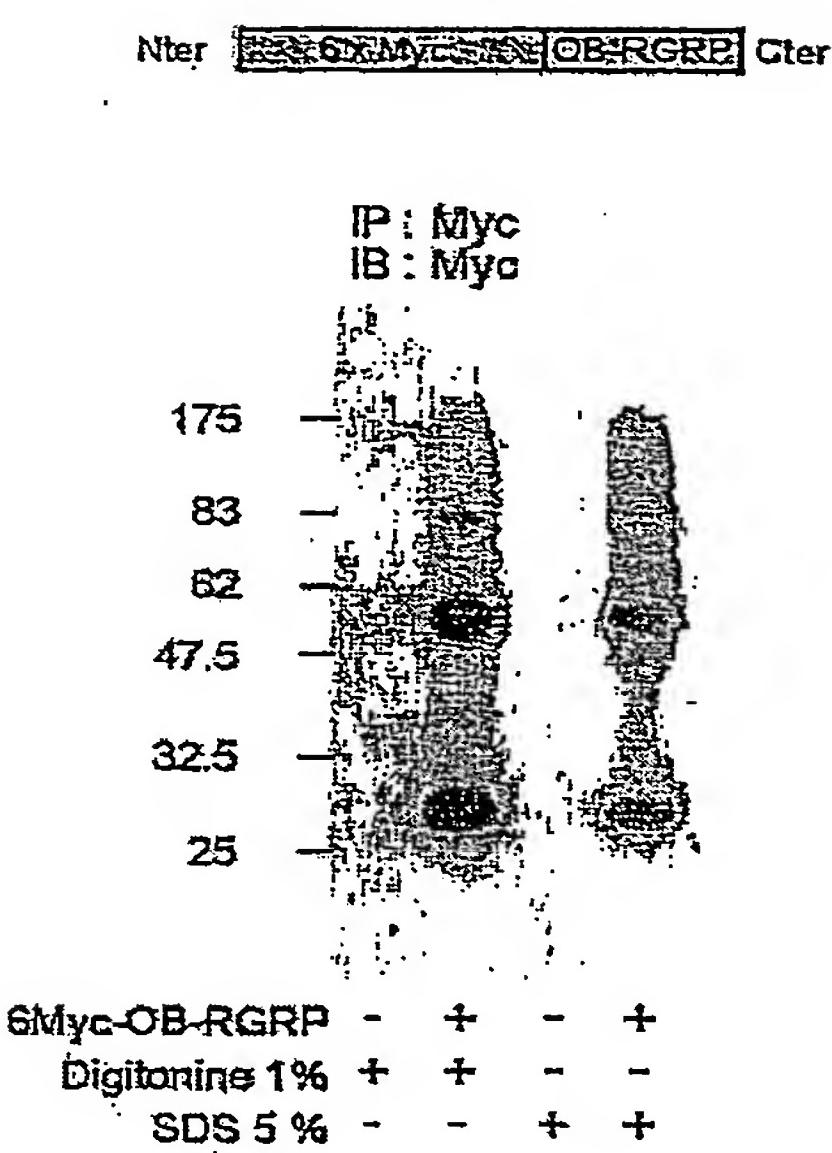
Figure 4 A**Figure 4 B**

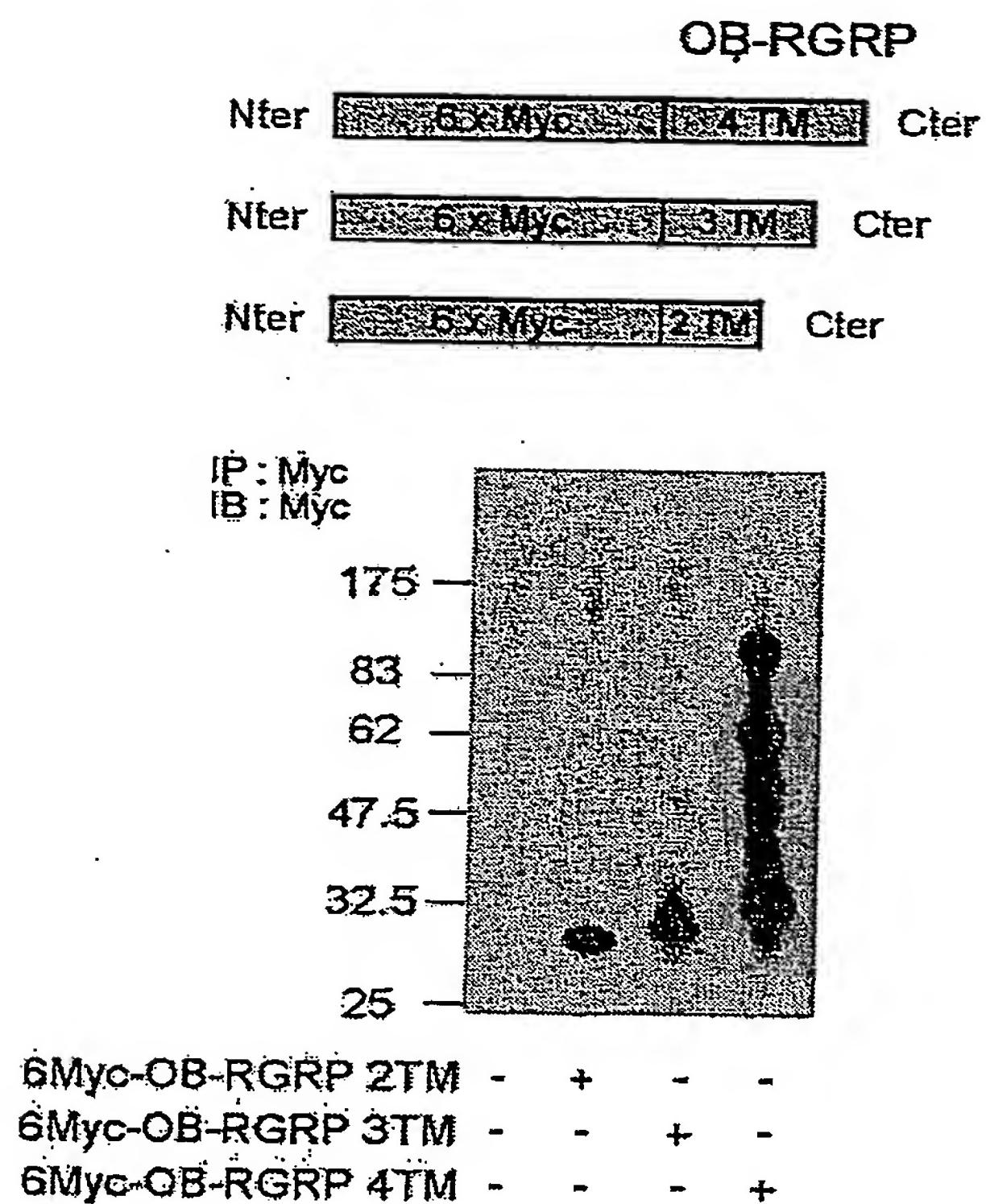
Figure 5

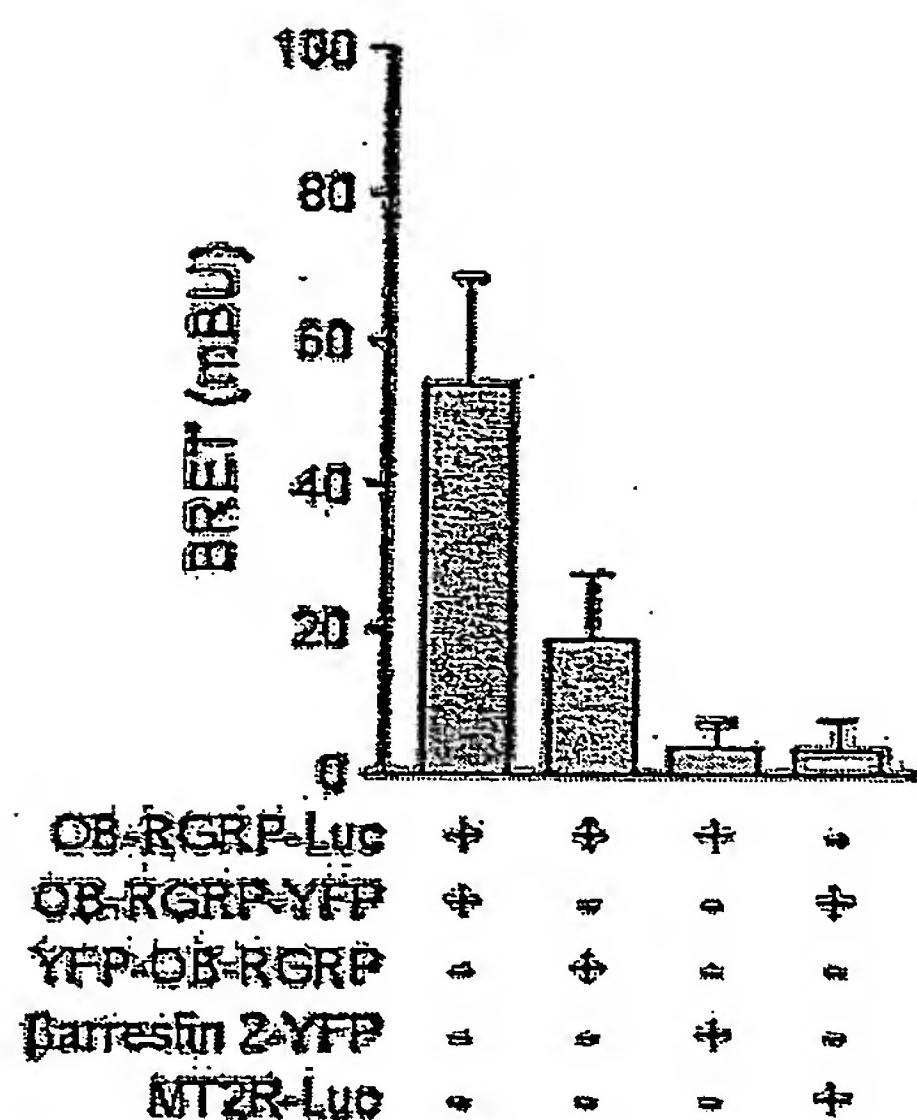
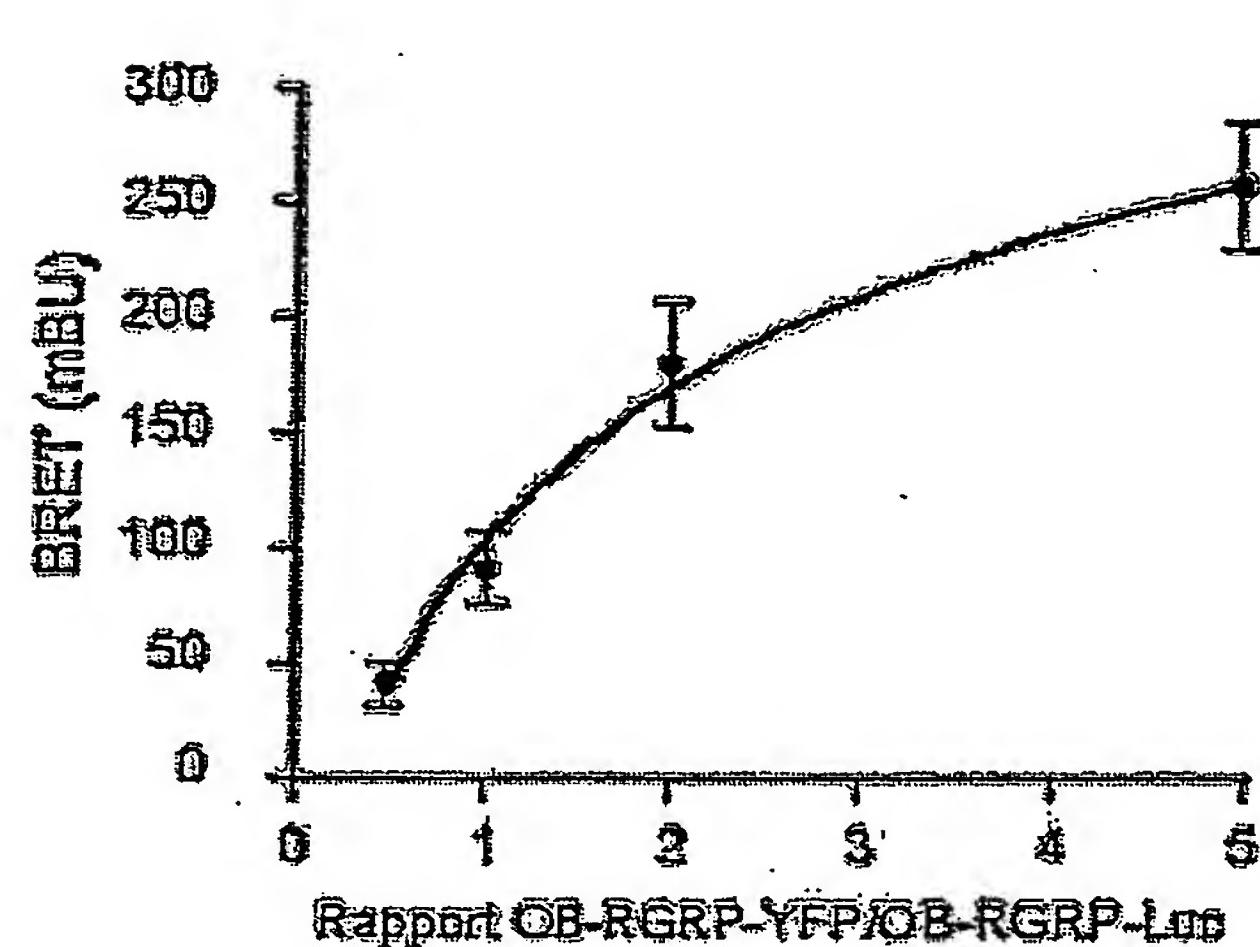
Figure 6 A**Figure 6 B**

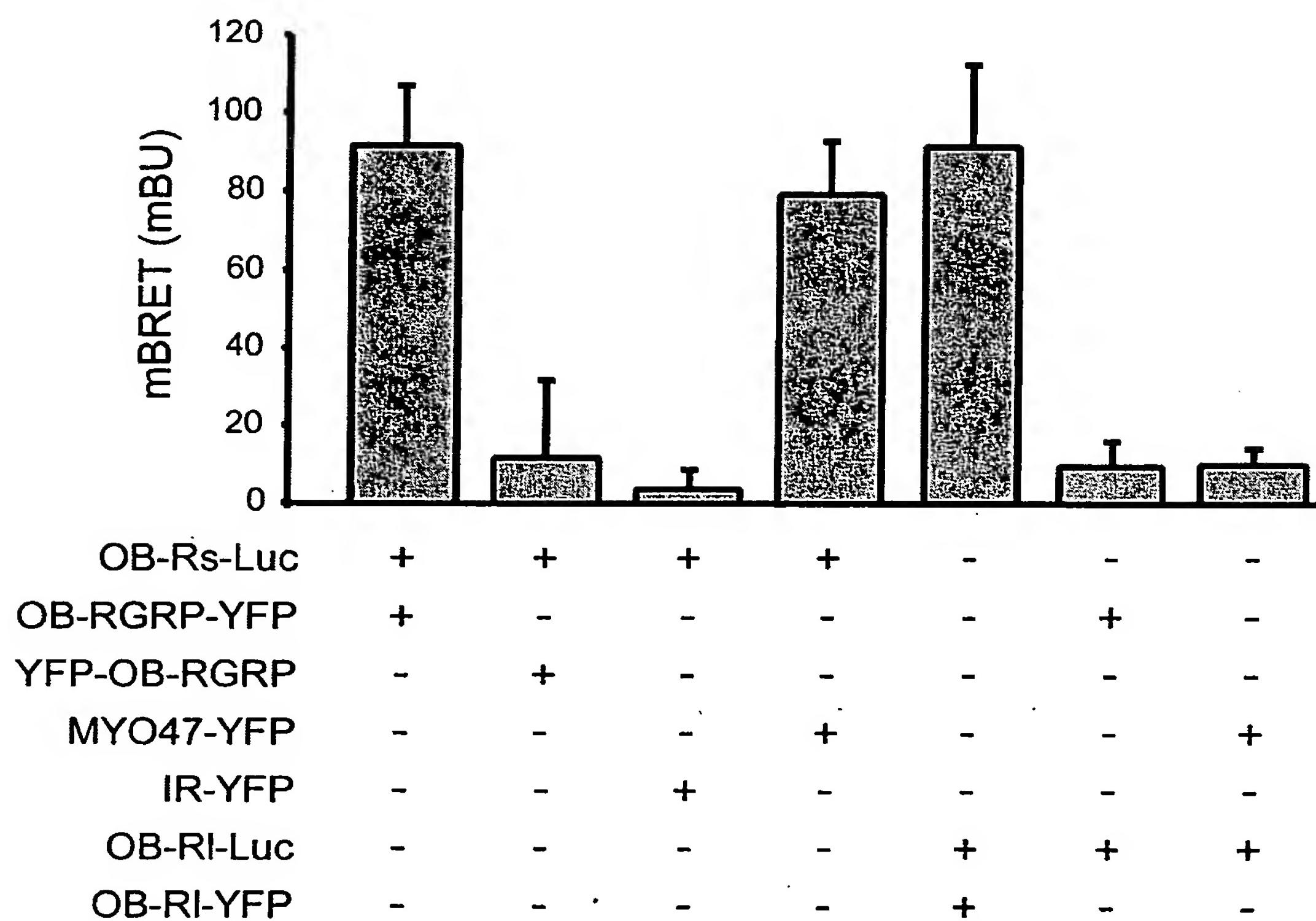
Figure 7

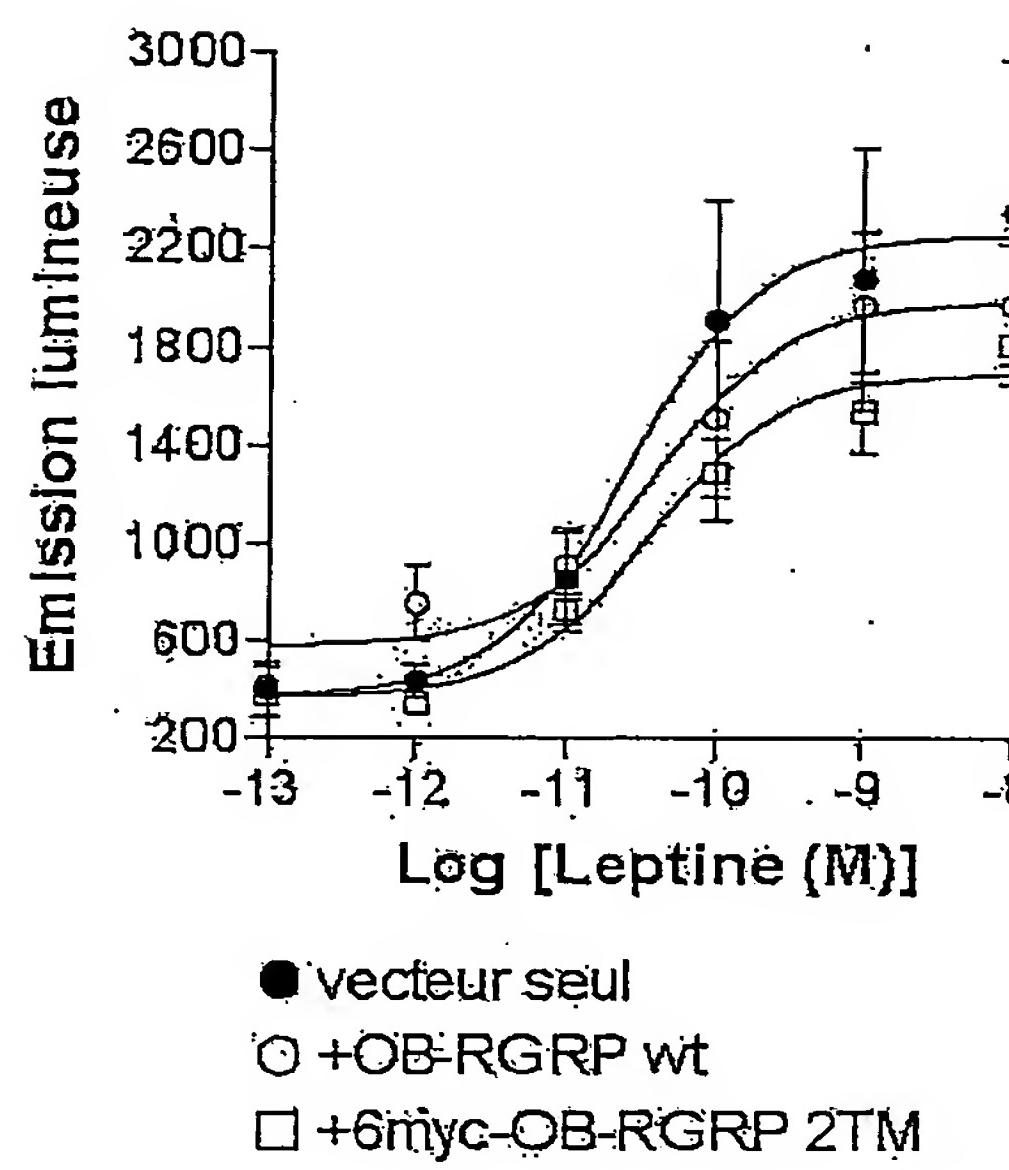
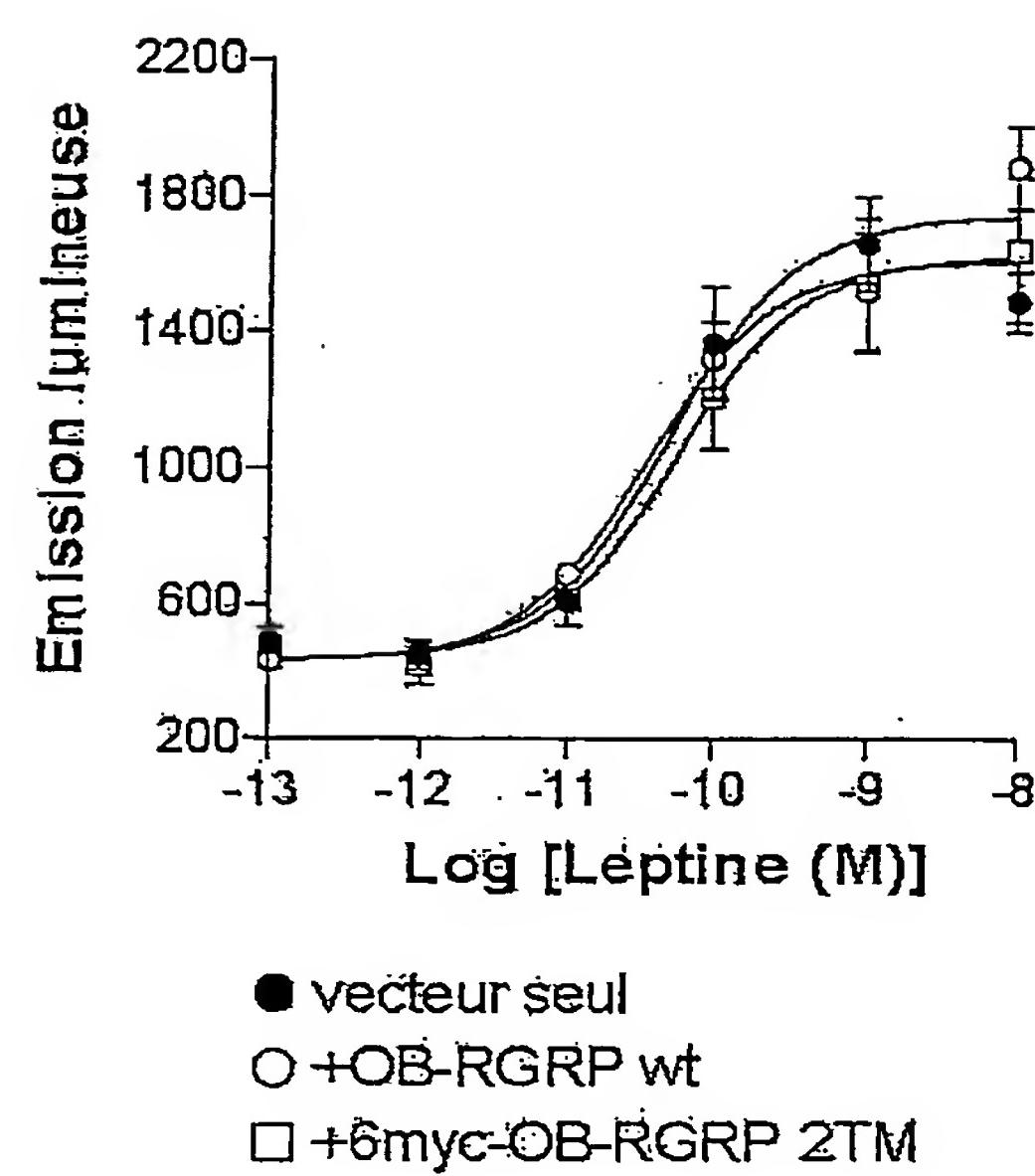
Figure 8 a**Figure 8 b**

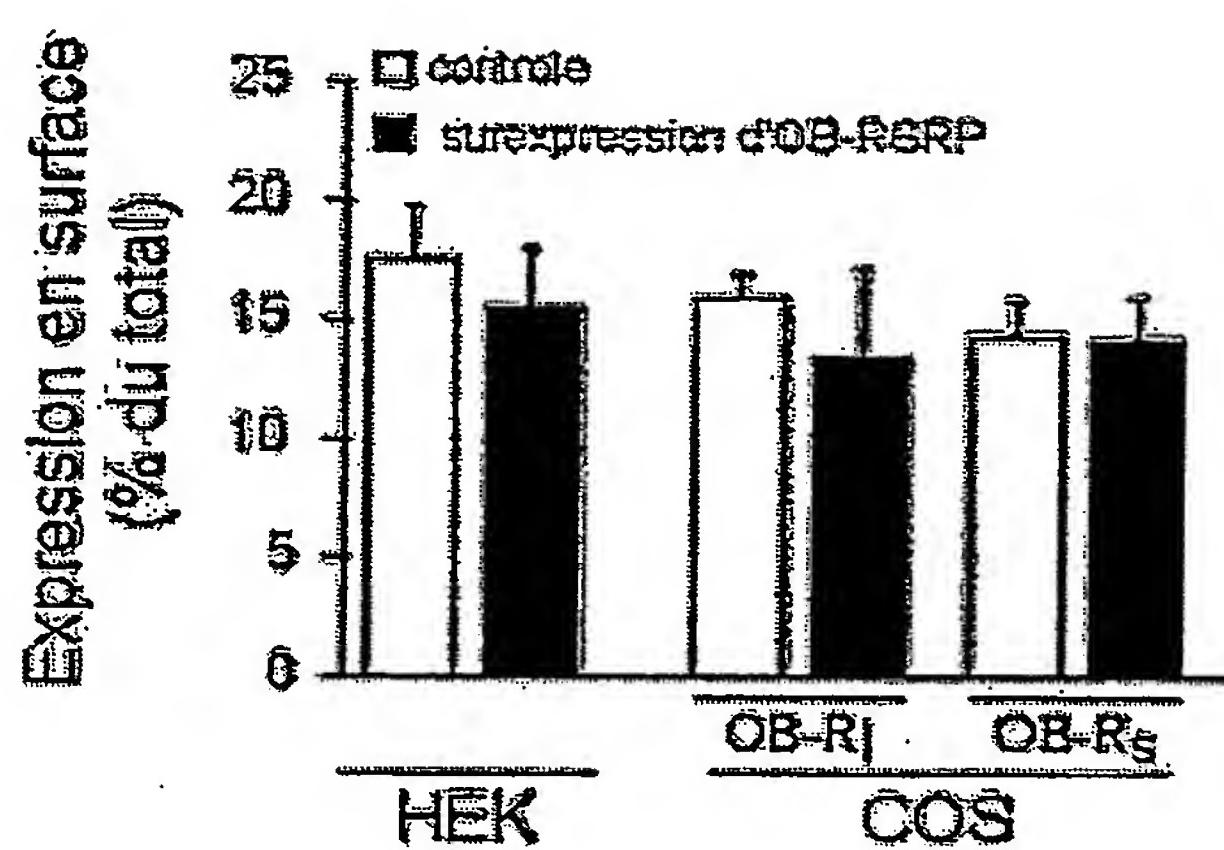
Figure 9

Figure 10a

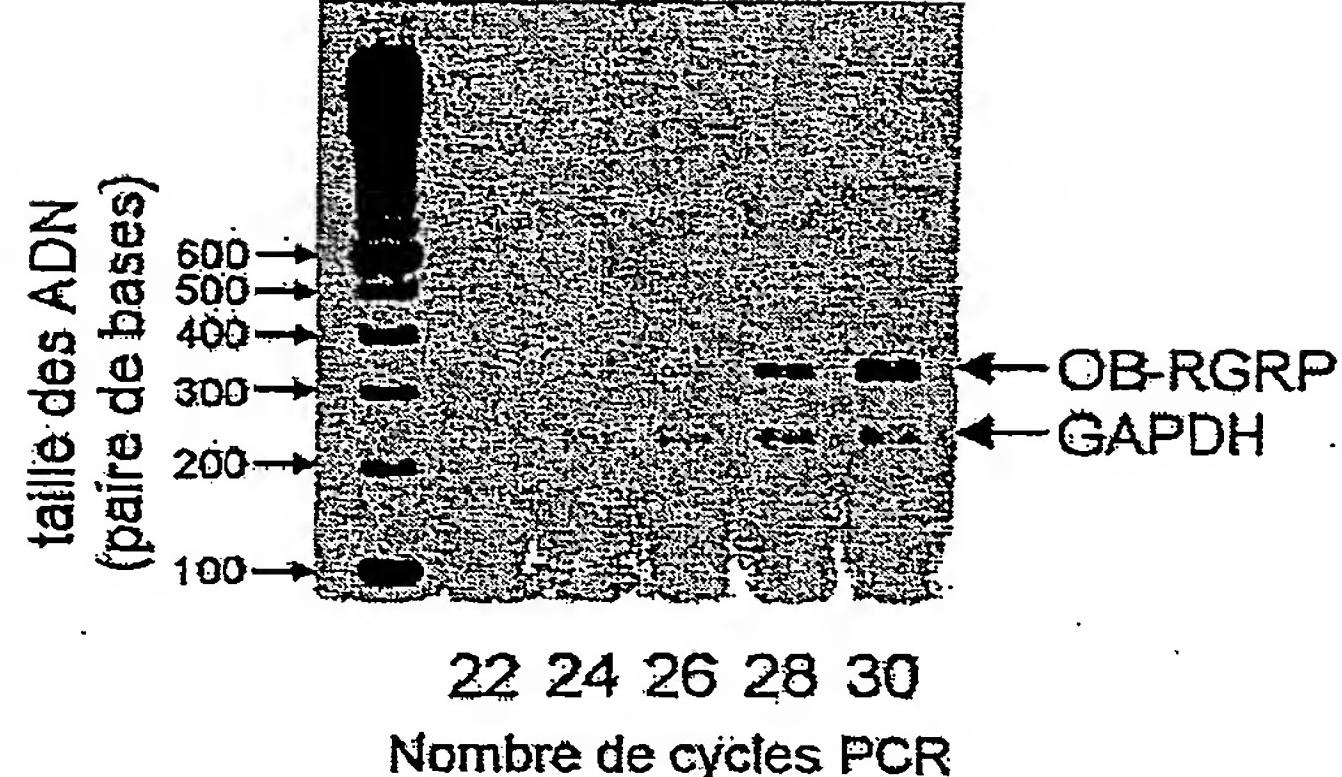


Figure 10b

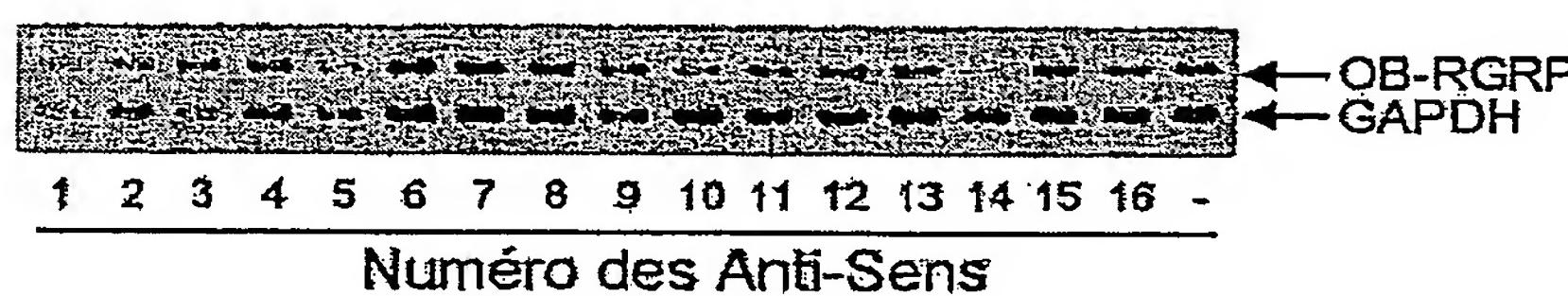
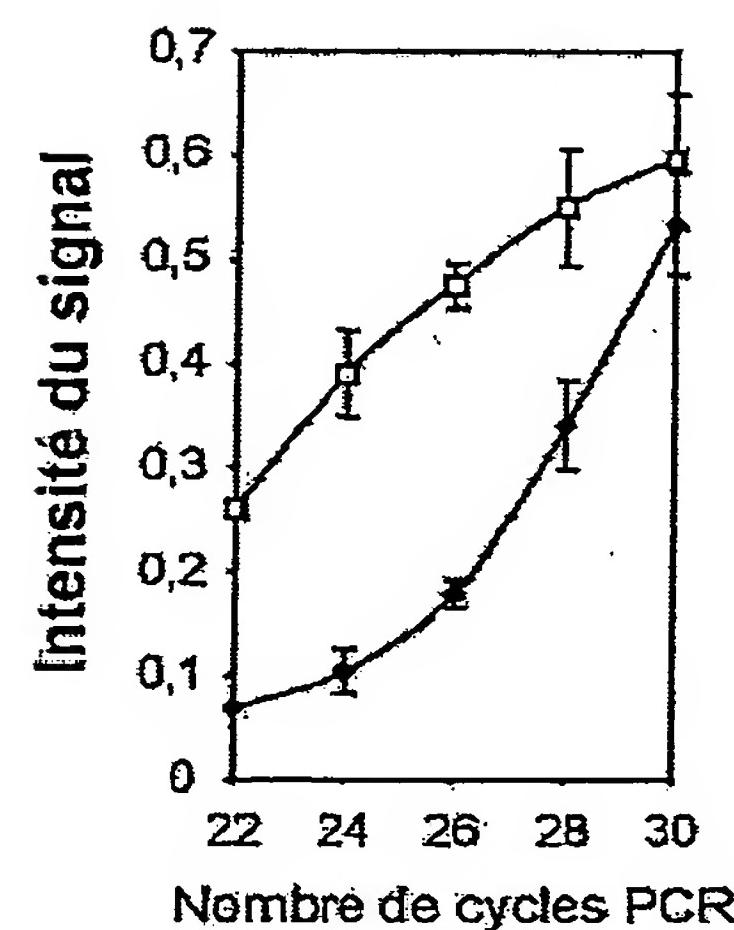


Figure 10c

FIGURE 11A

5' - gugccugugucgggaacuggcTT -3'
3' - TTcacggacagccccuugaccg -5'

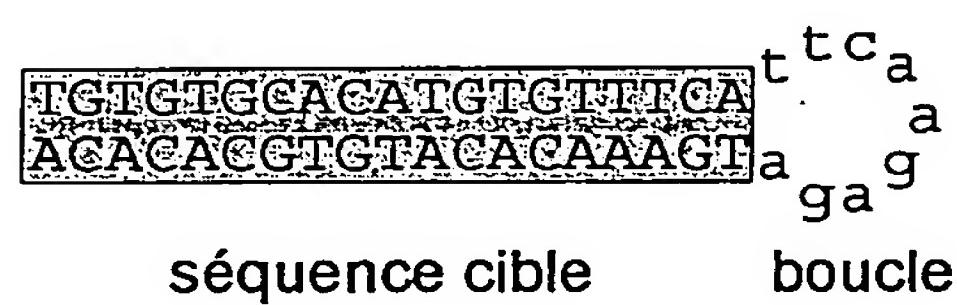


FIGURE 11C

FIGURE 11B

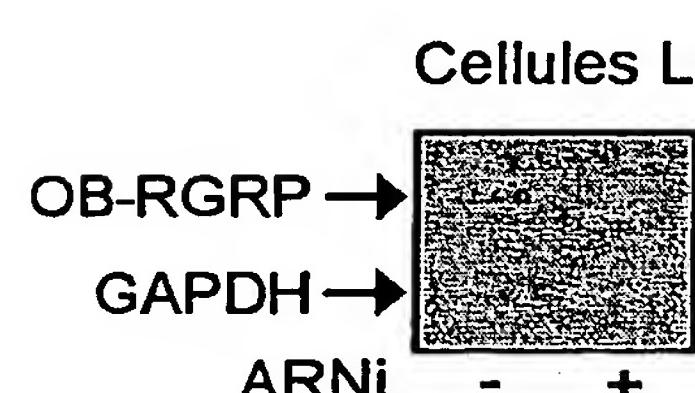
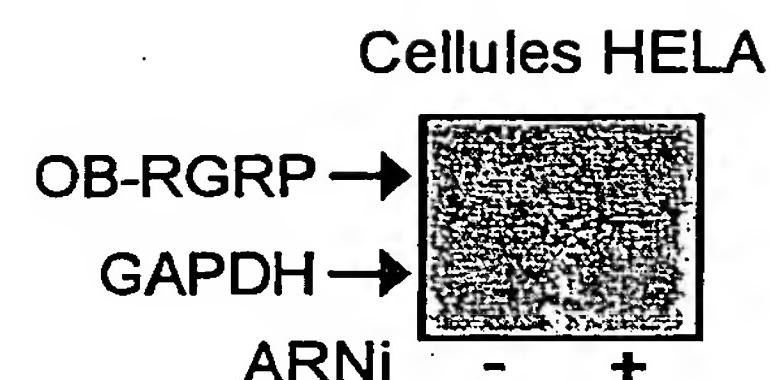


FIGURE 11D

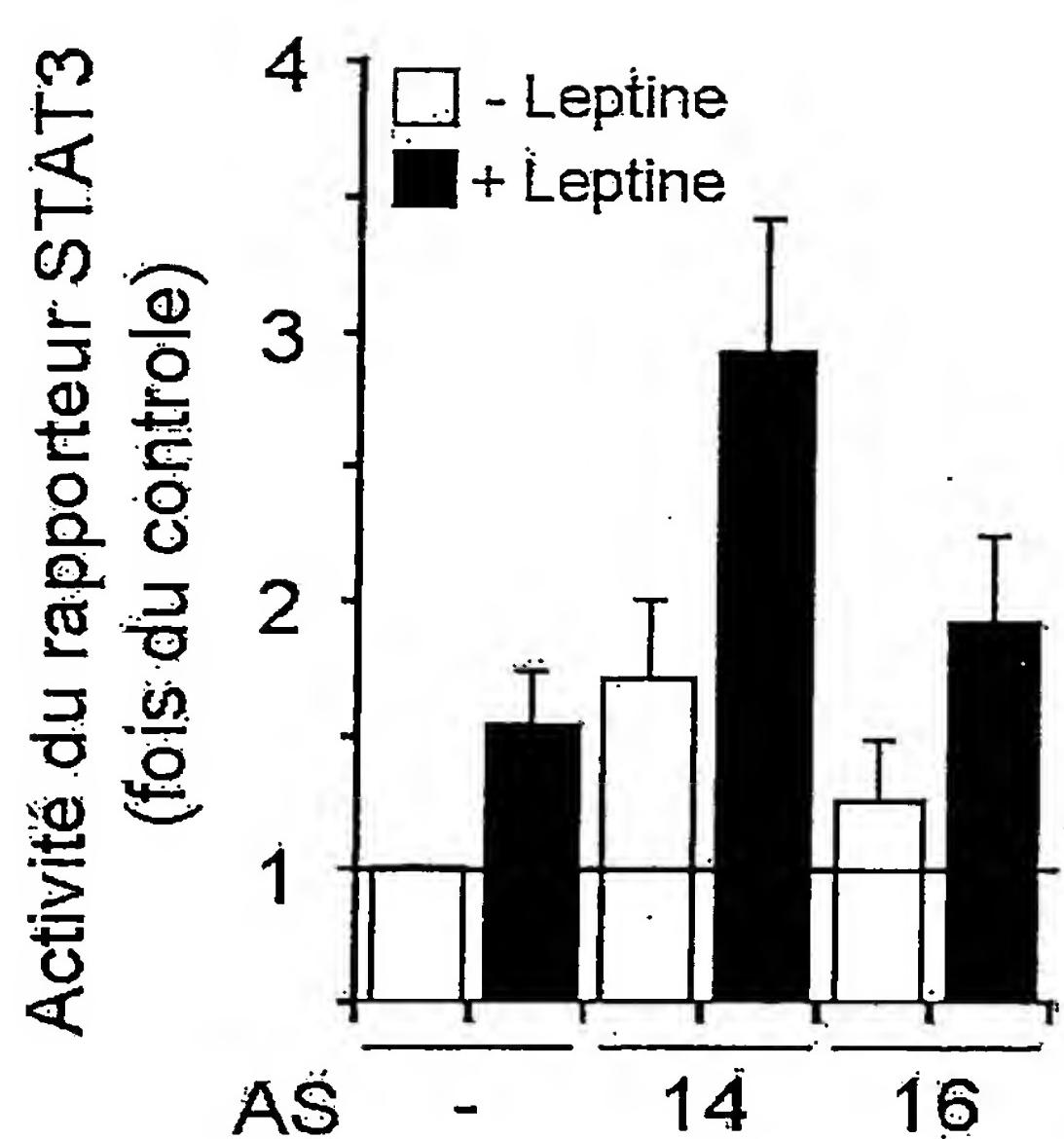
FIGURE 12

FIGURE 13

